

Automatic High-Altitude Optical Cable Binding Equipment



Overview

The machine is mainly composed of five parts: the main device, special wire disc, battery, remote control switch and hand-held pole.

Key Takeaways

Automatic high-altitude optical cable binding machines are hand-held, intelligent devices designed to safely and efficiently tie cables at heights, replacing traditional manual methods.

These machines are primarily used in telecommunications and power transmission for high-altitude operations, where manual cable tying is risky and labor-intensive. They are designed to automatically complete all steps of cable binding, including tightening and securing, using an integrated control system.

Key Features

- **Hand-held and Climb-Free Operation:** The equipment allows operators to work at height without ladders or scaffolding, reducing the risk of accidents.
- **Automatic Control:** Equipped with intelligent controllers, the machine can adjust the tightness of the cable and perform repetitive bindings efficiently.
- **High Efficiency:** One machine can perform up to five times the work of traditional manual methods, with continuous operation for up to ten hours.



- **Safety:** Insulated to handle high-voltage environments (up to 10,000 volts), minimizing the risk of electrical accidents .
- **Portability:** Composed of modular parts including the main device, special wire reels, battery, remote control switch, and hand-held pole, making it easy to transport and assemble .
- **Versatility:** Suitable for galvanized wires and fiber optic cables, and can handle complex cable arrangements .

Technical Specifications

- **Voltage:** Typically 12V for battery operation .
- **Binding Capacity:** Can perform thousands of bindings per full charge, e.g., 1,600 times per charge .
- **Remote Operation:** Gear adjustment for tightness or looseness is controlled via a simple remote switch .

Advantages

- **Reduces Labor:** One operator can manage cable tying independently, reducing manpower requirements .
- **Improves Work Efficiency:** Faster and more consistent than manual tying, especially in high-altitude or hazardous environments .
- **Enhances Safety:** Eliminates the need for ladders, pulleys, or scaffolding, significantly lowering the risk of falls or electrical accidents .
- **Customizable:** Many suppliers offer OEM or customized models to meet specific project requirements .

Popular Models and Suppliers

- **Qingdao Powtech Electronic Co., Ltd:** Offers high-altitude automatic cable tying machines with sample availability and OEM customization .
- **Onefind WF-60S:** Intelligent fiber optic cable binding machine with high efficiency, safety insulation, and modular design .
- **Other Suppliers:** Available on platforms like Alibaba and AliExpress, offering various models with worldwide shipping . These machines are ideal for telecom engineers, utility workers, and high-altitude maintenance teams, providing a combination of safety, efficiency, and automation for optical and power cable installations.

Article Content

Fully Automatic Fiber Optic Cable Hanging Bundler High

Fully Automatic Fiber Optic Cable Hanging Bundler Communication High-Altitude Cable Tying Machine. Hanging Rod

Onefind High Altitude Wf-60s Intelligent Fiber Optic

The machine is a hand-held free-to-height cable quick-attachment tool with

High Altitude Line Binding

Bundling Range 8-58mm: This wide bundling range allows for versatile use with different cable sizes, making it suitable for various

High-Altitude Insulation Automatic Optical cable Tying

Automatic Cable Tying Machine is a hand-held, climb-free cable fast tying tool

Mastering High-Altitude Fiber Optic Installation: A ...

Is an automatic cable binding device necessary for high-altitude fiber optic installations? Yes, it provides consistent, safe, and reliable

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Cable Bundling Machine for High Altitude Frames

Quick Details Place of Origin: China Brand Name: XINCHENG Name: automatic cable tie machine, Optical

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High Altitude Line Automatic Cable Tying Machine by Powtech offers easy optical cable binding, with a width of 340mm, color

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High Altitude Line Binding Automatic Cable Tying

Product Description Quick DetailsPlace of Origin: China Brand Name: XINCHENGName: automatic cable

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Insulation Automatic cable/Optical cable tie machine The machine is a hand-held free-to-height cable quick-attachment tool with

Cable Binding Machine

It can be widely used in the high-altitude operation in the field of communication engineering and is used to

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